Name of Work: Restoration of Road cut portion due to laying UGD pipeline at proposed White Topping Road along 3rd A Cross Road,1st A Main Road and 16th B Cross Road in Ward No.04

Detailed Measurements

Date of Measurements 12/4, 29/4, 9/5, 19/5 & 2/06/2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301						
	CHIKABOMASANDRA TO DAIRY CIRCLE JUNCTION - RHS						
	MH 1 to MH 2						
	Ch: 1109.00 to 1115.25	1	6.25	(2.20 + 2.30)/2	1.85	26.02	
	MH 2 to MH 3						
	Ch: 1116.25 to 1146.25	1	30.00	(2.10 + 2.20)/2	1.85	119.33	
	Ch: 1146.25 to 1160.25	1	14.00	(2.20 + 2.20)/2	1.85	56.98	
	MH 3 to MH 4						
	Ch: 1161.25 to 1191.25	1	30.00	(2.15 + 2.20)/2	1.85	120.71	
	Ch: 1191.25 to 1221.25	1	2.50	(2.20 + 2.30)/2	1.85	10.41	
	MH 4 to MH 5						
	Ch: 1222.25 to 1252.25	1	30.00	(2.10 + 2.15)/2	1.85	117.94	
	Ch: 1252.25 to 1255.75	1	3.50	(2.15 + 2.20)/2	1.85	14.08	
	MH 5 to MH 6						
	Ch: 1256.75 to 1286.75	1	30.00	(2.20 + 2.10)/2	1.85	119.33	
	MH 6 to MH 7						
	Ch: 1296.75 to 1317.25	1	20.50	(2.10 + 2.20)/2	1.85	81.54	
	MH 7 to MH 8						
	Ch: 1318.25 to 1337.25	1	19.00	(2.20 + 2.15)/2	1.85	76.45	
	MH 8 to MH 9						
	Ch: 1338.25 to 1366.75	1	28.50	(2.15 + 2.20)/2	1.85	114.68	
	MH 9 to MH 10						

Cek

29/6

857.47

Kaveri Press AE

AEE

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 1367.75 to 1397.75	1	30.00	(2.20 + 2.20)/2	1.85	122.10	
	Ch: 1397.75 to 1401.75	1	4.00	(2.20 + 2.10)/2	1.85	15.91	
	MH 10 to MH 11						
	Ch: 1402.75 to 1432.75	1	30.00	(2.10 + 2.10)/2	1.85	116.55	
	Ch: 1432.75 to 1433.75	1	1.00	(2.10 + 2.20)/2	1.85	3.98	
	MH 11 to MH 12						
	Ch: 1434.75 to 1464.75	1	30.00	(2.05 + 2.10)/2	1.85	115.16	
	Ch: 1464.75 to 1470.75	1	6.00	(2.10 + 2.20)/2	1.85	23.87	
	MH 12 to MH 13						
	Ch: 1471.75 to 1501.75	1	30.00	(2.05 + 2.10)/2	1.85	115.16	
	Ch: 1501.75 to 1502.75	1	1.00	(2.10 + 2.10)/2	1.85	3.89	
	MH 13 to MH 14						
	Ch: 1503.75 to 1533.75	1	30.00	(2.05 + 2.10)/2	1.85	115.16	
	Ch: 1533.75 to 1540.75	1	7.00	(2.10 + 2.20)/2	1.85	27.84	
	MH 14 to MH 15						
	Ch: 1541.75 to 1567.75	1	26.00	(2.25 + 2.10)/2	1.85	104.62	
	MH 15 to MH 16						
	Ch: 1567.75 to 1590.75	1	23.00	(2.00 + 2.00)/2	1.85	85.10	
	MH 16 to MH 17						
	Ch: 1591.75 to 1621.75	1	30.00	(2.20 + 2.00)/2	1.85	116.55	
	Ch: 1621.75 to 1634.75	1	13.00	(2.00 + 2.00)/2	1.85	48.10	
	MH 17 to MH 18						
	Ch: 1635.75 to 1662.75	1	27.00	(2.20 + 2.00)/2	1.85	104.90	
	MH 18 to MH 19						
	Ch: 1663.75 to 1692.25	1	26.50	(2.00 + 2.20)/2	1.85	102.95	

NCC LIMITED Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	MH 19 to MH 20						
	Ch: 1692.25 to 1713.75	1	22.50	(2.30 + 2.30) / 2	1.95	100.91	
	MH 20 to MH 21						
	Ch: 1714.75 to 1738.75	1	24.00	(2.30 + 2.30) / 2	1.95	107.64	
	MH 21 to MH 22						
	Ch: 1739.75 to 1769.75	1	30.00	(2.20 + 2.30) / 2	1.95	131.63	
	Ch: 1769.75 to 1772.25	1	2.50	(2.30 + 2.30) / 2	1.95	11.21	
	MH 22 to MH 23						
	Ch: 1773.25 to 1803.25	1	30.00	(2.30 + 2.20) / 2	1.95	131.63	
	Ch: 1803.25 to 1813.25	1	10.00	(2.20 + 2.30) / 2	1.95	43.88	
	MH 23 to MH 24						
	Ch: 1814.25 to 1844.25	1	30.00	(2.10 + 2.30) / 2	1.95	128.70	
	Ch: 1844.25 to 1852.25	1	8.00	(2.30 + 2.30) / 2	1.95	35.88	
	MH 24 to MH 25						
	Ch: 1853.25 to 1881.85	1	28.60	(2.10 + 2.20) / 2	1.95	119.91	
	MH 25 to MH 26						
	Ch: 1882.85 to 1912.85	1	30.00	(2.30 + 2.30) / 2	1.95	134.55	
	MH 26 to MH 27						
	Ch: 1913.85 to 1937.85	1	24.00	(2.20 + 2.30) / 2	1.95	105.30	
	MH 27 to MH 28						
	Ch: 1938.85 to 1973.85	1	35.00	(2.10 + 2.10) / 2	1.95	143.33	
						3273.83	
	Deductions						
	Culverts	4	1.50	(2.20 + 2.20) / 2	1.95	25.74	
	Cross Ducts	7	0.60	(2.20 + 2.20) / 2	0.70	6.47	
					Present Qty	**3241.63**	**Cum**
					Qty Limited to	**3165.52**	**Cum**

Assistant Engineer 04/06/2022

Assistant Executive Engineer 02/6/22

Name of Work: Restoration of Road cut portion due to laying UGD pipeline at proposed White Topping Road along 3rd A Cross Road,1st A Main Road and 16th B Cross Road in Ward No.04

Detailed Measurements

Date of Measurements - 2/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road						
	Qty Vide Item No. 01					3165.52	
					Present Qty	**3165.52**	**Cum**

NCC LIMITED Bangalore

Assistant Engineer 2/6/2022

02/6/2022

Assistant Executive Engineer

Name of Work: Restoration of Road cut portion due to laying UGD pipeline at proposed White Topping Road along 3rd A Cross Road,1st A Main Road and 16th B Cross Road in Ward No.04

Detailed Measurements

Date of Measurements : 18/4/2022, 4/5, 16/5, 26/5 & 06/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	Providing and stone dust in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications and as per directions of engineer in charge						
	CHIKABOMASANDRA TO DAIRY CIRCLE JUNCTION - RHS						
	MH 1 to MH 2						
	Ch: 1109.00 to 1115.25	1	6.25	(2.20 + 2.30)/2	1.60	22.50	
	MH 2 to MH 3						
	Ch: 1116.25 to 1146.25	1	30.00	(2.10 + 2.20)/2	1.60	103.20	
	Ch: 1146.25 to 1160.25	1	14.00	(2.20 + 2.20)/2	1.60	49.28	
	MH 3 to MH 4						
	Ch: 1161.25 to 1191.25	1	30.00	(2.15 + 2.20)/2	1.60	104.40	
	Ch: 1191.25 to 1221.25	1	2.50	(2.20 + 2.30)/2	1.60	9.00	
	MH 4 to MH 5						
	Ch: 1222.25 to 1252.25	1	30.00	(2.10 + 2.15)/2	1.60	102.00	
	Ch: 1252.25 to 1255.75	1	3.50	(2.15 + 2.20)/2	1.60	12.18	
	MH 5 to MH 6						
	Ch: 1256.75 to 1286.75	1	30.00	(2.20 + 2.10)/2	1.60	103.20	
	MH 6 to MH 7						
	Ch: 1296.75 to 1317.25	1	20.50	(2.10 + 2.20)/2	1.60	70.52	
	MH 7 to MH 8						
	Ch: 1318.25 to 1337.25	1	19.00	(2.20 + 2.15)/2	1.60	66.12	
	MH 8 to MH 9						
	Ch: 1338.25 to 1366.75	1	28.50	(2.15 + 2.20)/2	1.60	99.18	
	MH 9 to MH 10						
	Ch: 1367.75 to 1397.75	1	30.00	(2.20 + 2.20)/2	1.60	105.60	

18/4/22

18/4/22

Executive Engineer

8/7.18

NGC LIMITED Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 1397.75 to 1401.75	1	4.00	(2.20 + 2.10) / 2	1.60	13.76	
	MH 10 to MH 11						
	Ch: 1402.75 to 1432.75	1	30.00	(2.10 + 2.10) / 2	1.60	100.80	
	Ch: 1432.75 to 1433.75	1	1.00	(2.10 + 2.20) / 2	1.60	3.44	
	MH 11 to MH 12						
	Ch: 1434.75 to 1464.75	1	30.00	(2.05 + 2.10) / 2	1.60	99.60	
	Ch: 1464.75 to 1470.75	1	6.00	(2.10 + 2.20) / 2	1.60	20.64	
	MH 12 to MH 13						
	Ch: 1471.75 to 1501.75	1	30.00	(2.05 + 2.10) / 2	1.60	99.60	
	Ch: 1501.75 to 1502.75	1	1.00	(2.10 + 2.10) / 2	1.60	3.36	
	MH 13 to MH 14						
	Ch: 1503.75 to 1533.75	1	30.00	(2.05 + 2.10) / 2	1.60	99.60	
	Ch: 1533.75 to 1540.75	1	7.00	(2.10 + 2.20) / 2	1.60	24.08	
	MH 14 to MH 15						
	Ch: 1541.75 to 1567.75	1	26.00	(2.25 + 2.10) / 2	1.60	90.48	
	MH 15 to MH 16						
	Ch: 1567.75 to 1590.75	1	23.00	(2.00 + 2.00) / 2	1.60	73.60	
	MH 16 to MH 17						
	Ch: 1591.75 to 1621.75	1	30.00	(2.20 + 2.00) / 2	1.60	100.80	
	Ch: 1621.75 to 1634.75	1	13.00	(2.00 + 2.00) / 2	1.60	41.60	
	MH 17 to MH 18						
	Ch: 1635.75 to 1662.75	1	27.00	(2.20 + 2.00) / 2	1.60	90.72	
	MH 18 to MH 19						
	Ch: 1663.75 to 1692.25	1	26.50	(2.00 + 2.20) / 2	1.65	91.82	
	MH 19 to MH 20						
	Ch: 1692.25 to 1713.75	1	22.50	(2.30 + 2.30) / 2	1.70	87.98	
	MH 20 to MH 21						
	Ch: 1714.75 to 1738.75	1	24.00	(2.30 + 2.30) / 2	1.70	93.84	

C&E

16/5/22

AE

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	MH 21 to MH 22						
	Ch: 1739.75 to 1769.75	1	30.00	(2.20 + 2.30) / 2	1.70	114.75	
	Ch: 1769.75 to 1772.25	1	2.50	(2.30 + 2.30) / 2	1.70	9.78	
	MH 22 to MH 23						
	Ch: 1773.25 to 1803.25	1	30.00	(2.30 + 2.20) / 2	1.70	114.75	
	Ch: 1803.25 to 1813.25	1	10.00	(2.20 + 2.30) / 2	1.70	38.25	
	MH 23 to MH 24						
	Ch: 1814.25 to 1844.25	1	30.00	(2.10 + 2.30) / 2	1.70	112.20	
	Ch: 1844.25 to 1852.25	1	8.00	(2.30 + 2.30) / 2	1.70	31.28	
	MH 24 to MH 25						
	Ch: 1853.25 to 1881.85	1	28.60	(2.10 + 2.20) / 2	1.70	104.53	
	MH 25 to MH 26						
	Ch: 1882.85 to 1912.85	1	30.00	(2.30 + 2.30) / 2	1.70	117.30	
	MH 26 to MH 27						
	Ch: 1913.85 to 1937.85	1	24.00	(2.20 + 2.30) / 2	1.70	91.80	
	MH 27 to MH 28						
	Ch: 1938.85 to 1973.85	1	35.00	(2.10 + 2.10) / 2	1.70	124.95	
						2842.49	
	Deductions						
	Culverts	4	1.50	(2.20 + 2.20) / 2	1.70	22.44	
	Cross Ducts	7	0.60	(2.20 + 2.20) / 2	0.35	3.23	
					Present Qty	**2816.81**	**Cum**

Assistant Engineer 06/06/2022

Assistant Executive Engineer 06/06/22

MCC LIMITED Bangalore

Name of Work: Restoration of Road cut portion due to laying UGD pipeline at proposed White Topping Road along 3rd A Cross Road,1st A Main Road and 16th B Cross Road in Ward No.04

Detailed Measurements

Date of Measurements 16/5/2022, 26/05/2022, 06/06/2022 & 18/06/2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406						
	CHIKABOMASANDRA TO DAIRY CIRCLE JUNCTION - RHS						
	MH 1 to MH 2						
	Ch: 1109.00 to 1115.25	1	6.25	(2.20 + 2.30)/2	0.25	3.52	
	MH 2 to MH 3						
	Ch: 1116.25 to 1146.25	1	30.00	(2.10 + 2.20)/2	0.25	16.13	
	Ch: 1146.25 to 1160.25	1	14.00	(2.20 + 2.20)/2	0.25	7.70	
	MH 3 to MH 4						
	Ch: 1161.25 to 1191.25	1	30.00	(2.15 + 2.20)/2	0.25	16.31	
	Ch: 1191.25 to 1221.25	1	2.50	(2.20 + 2.30)/2	0.25	1.41	
	MH 4 to MH 5						
	Ch: 1222.25 to 1252.25	1	30.00	(2.10 + 2.15)/2	0.25	15.94	
	Ch: 1252.25 to 1255.75	1	3.50	(2.15 + 2.20)/2	0.25	1.90	
	MH 5 to MH 6						
	Ch: 1256.75 to 1286.75	1	30.00	(2.20 + 2.10)/2	0.25	16.13	
	MH 6 to MH 7						
	Ch: 1296.75 to 1317.25	1	20.50	(2.20 + 2.20)/2	0.25	11.28	
	MH 7 to MH 8						
	Ch: 1318.25 to 1337.25	1	19.00	(2.20 + 2.15)/2	0.25	10.33	
	MH 8 to MH 9						
	Ch: 1338.25 to 1366.75	1	28.50	(2.15 + 2.20)/2	0.25	15.50	
	MH 9 to MH 10						
	Ch: 1367.75 to 1397.75	1	30.00	(2.20 + 2.20)/2	0.25	16.50	

132.65

18/5/22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 1397.75 to 1401.75	1	4.00	(2.20 + 2.10) / 2	0.25	2.15	
	MH 10 to MH 11						
	Ch: 1402.75 to 1432.75	1	30.00	(2.10 + 2.10) / 2	0.25	15.75	
	Ch: 1432.75 to 1433.75	1	1.00	(2.10 + 2.20) / 2	0.25	0.54	
	MH 11 to MH 12						
	Ch: 1434.75 to 1464.75	1	30.00	(2.05 + 2.10) / 2	0.25	15.56	
	Ch: 1464.75 to 1470.75	1	6.00	(2.10 + 2.20) / 2	0.25	3.23	
	MH 12 to MH 13						
	Ch: 1471.75 to 1501.75	1	30.00	(2.05 + 2.10) / 2	0.25	15.56	
	Ch: 1501.75 to 1502.75	1	1.00	(2.10 + 2.10) / 2	0.25	0.53	
	MH 13 to MH 14						
	Ch: 1503.75 to 1533.75	1	30.00	(2.05 + 2.10) / 2	0.25	15.56	
	Ch: 1533.75 to 1540.75	1	7.00	(2.10 + 2.20) / 2	0.25	3.76	
	MH 14 to MH 15						
	Ch: 1541.75 to 1567.75	1	26.00	(2.25 + 2.10) / 2	0.25	14.14	
	MH 15 to MH 16						
	Ch: 1567.75 to 1590.75	1	23.00	(2.10 + 2.00) / 2	0.25	11.79	
	MH 16 to MH 17						
	Ch: 1591.75 to 1621.75	1	30.00	(2.20 + 2.00) / 2	0.25	15.75	
	Ch: 1621.75 to 1634.75	1	13.00	(2.00 + 2.00) / 2	0.25	6.50	
	MH 17 to MH 18						
	Ch: 1635.75 to 1662.75	1	27.00	(2.20 + 2.00) / 2	0.25	14.18	
	MH 18 to MH 19						
	Ch: 1663.75 to 1692.25	1	26.50	(2.00 + 2.20) / 2	0.25	13.91	
	MH 19 to MH 20						
	Ch: 1692.25 to 1713.75	1	22.50	(2.30 + 2.30) / 2	0.25	12.94	
	MH 20 to MH 21						
	Ch: 1714.75 to 1738.75	1	24.00	(2.30 + 2.30) / 2	0.25	13.80	

9

130.65

308.30

20/5/22

NCC LIMITED Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	MH 21 to MH 22						
	Ch: 1739.75 to 1769.75	1	30.00	(2.20 + 2.30) / 2	0.25	16.88	
	Ch: 1769.75 to 1772.25	1	2.50	(2.30 + 2.30) / 2	0.25	1.44	
	MH 22 to MH 23						
	Ch: 1773.25 to 1803.25	1	30.00	(2.30 + 2.20) / 2	0.25	16.88	
	Ch: 1803.25 to 1813.25	1	10.00	(2.20 + 2.30) / 2	0.25	5.63	
	MH 23 to MH 24						
	Ch: 1814.25 to 1844.25	1	30.00	(2.10 + 2.30) / 2	0.25	16.50	
	Ch: 1844.25 to 1852.25	1	8.00	(2.30 + 2.30) / 2	0.25	4.60	
	MH 24 to MH 25						
	Ch: 1853.25 to 1881.85	1	28.60	(2.10 + 2.20) / 2	0.25	15.37	
	MH 25 to MH 26						
	Ch: 1882.85 to 1912.85	1	30.00	(2.30 + 2.30) / 2	0.28	19.32	
	MH 26 to MH 27						
	Ch: 1913.85 to 1937.85	1	24.00	(2.20 + 2.30) / 2	0.28	15.12	
	MH 27 to MH 28						
	Ch: 1938.85 to 1973.85	1	35.00	(2.10 + 2.10) / 2	0.28	20.58	
						440.57	
	Deductions						
	Culverts	4	1.50	(2.20 + 2.20) / 2	0.25	3.30	
	Cross Ducts	7	0.60	(2.20 + 2.20) / 2	0.25	2.31	
					Present Qty	**434.96**	**Cum**

18/6/22

Assistant Engineer 18/06/2022.

18/6/22

Assistant Executive Engineer

Name of Work: Restoration of Road cut portion due to laying UGD pipeline at proposed White Topping Road along 3rd A Cross Road,1st A Main Road and 16th B Cross Road in Ward No.04

Measurement Sheet									
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301								
	Qty vide Page No. (3)					**3165.52**	**Cum**	**47.00**	**148779.44**
2	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road								
	Qty vide Page No. (4)					**3165.52**	**Cum**	**85.00**	**269069.20**
3	Providing and stone dust in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications and as per directions of engineer in charge								
	Qty vide Page No. (7)					**2816.81**	**Cum**	**2667.00**	**7512436.27**
4	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	Qty vide Page No. (10)					**434.96**	**Cum**	**2106.00**	**916027.08**
								Total	**8846311.99**
								GST 12%	**1061557.44**
								Grand Total	**9907869.43**

Contractor

Consultant

Asst. Engineer 18/06/2022

18/6/2

Asst. Exec. Engine